

U.S. DEPARTMENT OF ENERGY		Energy Efficiency & Renewable Energy		GEOTHERMAL TECHNOLOGIES OFFICE				Monday May 11				The Westin Westminster 303-410-5000 10600 Westminster Blvd, Westminster CO 80020													
print date 02/18/2015																									
Track 1-Systems Analysis & LowTemp - Room Standley I						Track 2 HRC - Room Westminster II						Track 3 EGS1 - Room Westminster I						Track 4 EGS2 - Room Standley II							
Time		Panel		Presenter(s), Awardee (or Organization), Project Title		Time		Panel		Presenter(s), Awardee (or Organization), Project Title		Time		Panel		Presenter(s), Awardee (or Organization), Project Title		Time		Panel		Presenter(s), Awardee (or Organization), Project Title			
8:00a-9:00a 60 min		tbd, tbd		Plenary Session (room: Westminster III & IV)		8:00a-9:00a 60 min		tbd, tbd		Plenary Session (room: Westminster III & IV)		8:00a-9:00a 60 min		tbd, tbd		Plenary Session (room: Westminster III & IV)		8:00a-9:00a 60 min		tbd, tbd		Plenary Session (room: Westminster III & IV)			
9:00a-9:30a 30 min		Systems Analysis: Resources Assessment, Data System Development & Population, Education		Tom Lowry, SNL Geothermal Systems Engineering and Analysis		9:00a-9:30a 30 min		HRC: Reservoir Fracture Characterization & Fluid Imaging		Rob Mellors, LLNL Stochastic Joint Inversion for Integrated Data Interpretation in Geothermal Exploration		9:00a-9:30a 30 min		EGS: Tracers / Zonal Isolation / Geochemistry		Lyle Burns, Clean Tech Innovations, LLC SPI Conformance Gel Applications in Geothermal Zonal Isolation		9:00a-9:30a 30 min		EGS: Innovative Stimulation Techniques		Carlos Fernandez, PNNL Reservoir Stimulation Optimization with Operational Monitoring for Creation of EGS			
9:30a-10:00a 30 min				Steve Weakley, PNNL Technology Tracking		9:30a-10:00a 30 min				Dr Andre Revil, Colorado School of Mines Time-lapse joint inversion of GEOphysical Data and its application to gEothermal prospecting - GEODE		9:30a-10:00a 30 min				Jefferson Tester, Cornell University A Reactive Tracer Method for Predicting EGS Reservoir Geometry and Thermal Lifetime: Development and Field Validation		9:30a-10:00a 30 min				Mark Grubelich, SNL Gas Generator Development and Testing for Controlled Rapid Pressurization Using Liquid Propellants for EGS Well Stimulation			
10:00a-10:30a 30 min				Greg Mines, INL GETEM		10:00a-10:30a 30 min				Robert Mellors, LLNL Identifying High Potential Well Targets with 3D Seismic, and Mineralogy		10:00a-10:30a 30 min				Mack Kennedy, LBNL Radioisotope Tracers and Fracture Attributes for Enhanced Geothermal Systems		10:00a-10:30a 30 min				Charles Carrigan, LLNL Validation of EGS Feasibility and Explosive Fracturing Techniques			
10:30a-10:40a 10 min				Audience Q&A		10:30a-10:40a 10 min				Audience Q&A		10:30a-10:40a 10 min				Audience Q&A		10:30a-10:40a 10 min				Audience Q&A			
10:40a-11:00a 20 min				Break		10:40a-11:00a 20 min				Break		10:40a-11:00a 20 min				Break		10:40a-11:00a 20 min				Break			
11:00a-11:30a 30 min				Tom Lowry, SNL GT-Mod		11:00a-11:30a 30 min				Chad Augustine, NREL SURGE: Sedimentary Geothermal Feasibility Study		11:00a-11:30a 30 min				Richard A. Kemp, SNL Tagged Nanoparticles for Fluid Flow Monitoring		11:00a-11:30a 30 min				Wrap Up: Innovative Stimulation Techniques Session			
11:30a-12:00p 30 min				Thomas Edmunds, LLNL The Value of Geothermal Power for Integration of Intermittent Generation		11:30a-12:00p 30 min				Lianjie Huang, LANL Imaging Fault Zones Using a Novel Elastic Reverse-Time Migration Imaging Technique		11:30a-12:00p 30 min				Toshi Sugama, BNL Temporary Sealer Materials		11:30a-12:00p 30 min				EGS: Supercritical Carbon Dioxide/Working Fluids		Mack Kennedy, LBNL Push-pull well testing using CO2 with active source geophysical monitoring	
12:00p-12:30p 30 min				Jordan Macknick, NREL Projected Deployment of Geothermal Technologies Subject to Water Availability Constraints		12:00p-12:30p 30 min				Chad Augustine, NREL SURGE: Completing Horizontal Geothermal Wells		12:00p-12:30p 30 min				Kevin Knauss, LBNL Fluid Chemistry and Fracture Growth: What's the Connection?		12:00p-12:30p 30 min						Tom Buscheck , LLNL Active Management of Integrated Geothermal CO2 Storage Reservoirs in Sedimentary Formations	
12:30p-12:40p 10 min				Audience Q&A		12:30p-12:40p 10 min				Audience Q&A		12:30p-12:40p 10 min				Audience Q&A		12:30p-12:40p 10 min						Audience Q&A	
12:40p-2:00p 80 min				tbd, tbd Lunch (room: Westminster III & IV)		12:40p-2:00p 80 min				tbd, tbd Lunch (room: Westminster III & IV)		12:40p-2:00p 80 min				tbd, tbd Lunch (room: Westminster III & IV)		12:40p-2:00p 80 min						tbd, tbd Lunch (room: Westminster III & IV)	
2:00p-2:30p 30 min		Systems Analysis: Resources Assessment, Data System Development & Population, Education		Chad Augustine, NREL Strategic Analysis		2:00p-2:30p 30 min		HRC: Wrap up: Reservoir Fracture Characterization & Fluid Imaging		Wrap up: Reservoir Fracture Characterization & Fluid Imaging		2:00p-2:30p 30 min		EGS: Tracers / Zonal Isolation / Geochemistry		Wrap Up: Tracers / Zonal Isolation / Geochemistry Session		2:00p-2:30p 30 min		EGS: Supercritical Carbon Dioxide/Working Fluids		Barry Freifeld, LBNL Geothermal Energy Production Coupled with CCS: Heat Recovery Using an Innovative High Efficiency Supercritical CO2 Turboexpansion Cycle			
2:30p-3:00p 30 min				Dan Getman, NREL Geothermal Prospector		2:30p-3:00p 30 min				James Faulds, Nevada Bureau of Mines and Geology, University of Nevada-Reno Discovering Blind Geothermal Systems in the Great Basin Region: An Integrated Geologic and Geophysical Approach for Establishing Geothermal Play Fairways		2:30p-3:00p 30 min				Kamalesh Chatterjee, Baker Hughes Oilfield Operations Incorporated Recovery Act: High Temperature 300C Directional Drilling System, including drill bit, steerable motor, and drilling fluid, for Enhanced Geothermal Systems		2:30p-2:40p 10 min				Audience Q&A			
3:00p-3:30p 30 min				Chad Augustine, NREL Geothermal Resource Potential and Supply Curve Improvement		3:00p-3:30p 30 min				Nicole Lautze, University of Hawaii Comprehensive analysis of Hawaii's geothermal potential through Play Fairway integration of geophysical, geochemical, and geological data		3:00p-3:30p 30 min				Ken Waterman, DRAKA CABLETEQ USA, INC. Recovery Act: Complete Fiber/Copper Cable Solution for Long-Term Temperature and Pressure Measurement in Supercritical Reservoirs and EGS Wells		3:10p-3:40p 30 min							
3:30p-3:40p 10 min				Audience Q&A		3:30p-3:40p 10 min				Audience Q&A		3:30p-3:40p 10 min				Audience Q&A		3:40p-4:00p 20 min				Break			
3:40p-4:00p 20 min				Break		3:40p-4:00p 20 min				Break		3:40p-4:00p 20 min				Break		3:40p-4:00p 20 min				Break			
4:00p-4:30p 30 min				Katherine Young, NREL Regulatory Roadmap		4:00p-4:30p 30 min				Patrick Walsh, ORMAT Nevada, Inc. Recovery Act: Merging high resolution geophysical and geochemical surveys to reduce exploration risk at Glass Buttes, Oregon		4:00p-4:30p 30 min				Kamalesh Chatterjee, Baker Hughes Oilfield Operations Incorporated Directional Measurement-While-Drilling System for Geothermal Applications		4:00p-4:30p 30 min				EGS: Enhanced Geothermal System Demonstrations		Joseph Moore, University of Utah Concept Testing and Development at the Raft River Geothermal Field, Idaho	
4:30p-5:00p 30 min				Colin Williams, U.S. Geological Survey National Geothermal Resource Assessment and Classification		4:30p-5:00p 30 min				Lisa Shevenell, Atlas Geosciences Inc. Geothermal Potential of the Cascade and Aleutian Arcs, with Ranking of Individual Volcanic Centers for their Potential to Host Electricity-Grade Reservoirs		4:30p-5:00p 30 min				Dr. Bjorn Paulsson, Paulsson, Inc. Development of a 300°C, 200 level, 3C Fiber Optic Downhole Seismic Receiver Array for Surveying and Monitoring of Geothermal Reservoirs		4:30p-5:00p 30 min						Rob Podgorney, INL EGS Reservoir Stimulations and Long-Term Performance Modeling	
5:00p-5:10p 10 min				Audience Q&A		5:00p-5:30p 30 min				Patrick Walsh, ORMAT Nevada, Inc. ① Recovery Act: Blind Geothermal System Exploration in Active Volcanic Environments ② Multi-phase Geophysical and Geochemical Surveys in Overt and Subtle Volcanic Systems, Hawai'i and Maui		5:00p-5:30p 30 min				Darren Laughlin, A-Tech Corporation Rotation-Enabled 7-DOF Seismometer for Geothermal Resource Development		5:00p-5:30p 30 min						Lianjie Huang, LANL Joint Active and Passive Seismic Imaging of EGS Reservoirs	
5:10p-5:40p 30 min				Wrap up: Systems Analysis Session		5:30p-5:40p 10 min				Audience Q&A		5:30p-5:40p 10 min				Audience Q&A		5:30p-5:40p 10 min						Audience Q&A	